

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q78583

Hiromoto OHNO

Appln. No.: National Stage of PCT/JP2004/016690

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: May 10, 2006

Examiner: Unknown

For: PURIFICATION METHOD OF 1,1-DIFLUOROETHANE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office (International Search Report for PCT/JP2004/016690 dated January 17, 2006), except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action

## INFORMATION DISCLOSURE STATEMENT

Appln. No.: National Stage of PCT/JP2004/016690

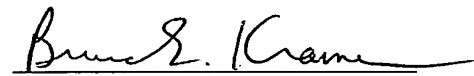
Attorney Docket No. Q78583

on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: May 10, 2006

Substitute for Form 1449 A & B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Complete by <b>10/15/2006</b>	
				Application Number	National Stage of PCT/JP2004/016690
				Confirmation Number	Unknown
				Filing Date	May 10, 2006
				First Named Inventor	Hiromoto OHNO
				Art Unit	Unknown
				Examiner Name	
Sheet 1 of 1	Attorney Docket Number Q78583				

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 5,396,001	A	03/07/1995	PASCAL PENNETREAU
		US 4,950,816	A	08/21/1990	HSUEH S. TUNG, ET AL
		US 6,274,782	B1	08/14/2001	HIROMOTO OHNO, ET AL
		US 4,906,796	A	03/06/1990	STEPHEN F. YATES
		US 5,626,725	A	05/06/1997	DOMINIQUE BALTHASART, ET AL
		US 3,862,995	A	01/28/1975	GUY MARTENS, ET AL
		US 2002/0007099	A1	01/17/2002	CHARLES-MARIE ANCIAUX, ET AL
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		WO	01/83412	A2	11/08/2001	SHOWA DENKO K.K.	
		EP	0 693 469	A1	01/24/1996	DAIKIN INDUSTRIES, LIMITED	
		WO	96/40606	A1	12/19/1996	E.I. DU PONT DE NEMOURS AND COMPANY	
		EP	0 370 688	A1	05/30/1990	E.I. DU PONT DE NEMOURS AND COMPANY	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		GOLUBEV A N, ET AL.; "1,1-DIFLUOROETHANE", CHEMICAL ABSTRACTS + INDEXES, AMERICAN CHEMICAL SOCIETY. COLUMBUS, US, Vol. 1, No. 78, 1973, page 308, XP002013161, ISSN: 0009-2258, abstract	
		WPI WORLD PATENT INFORMATION DERWENT, DERWENT, GB PA - ELECTRO CHEMICAL IND CO L PN - JP47011726B B, 1973, XP002028123, abstract	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.